

COMBINED DECLARATION AND POWER OF ATTORNEY

the below named inventor(s), I (we) hereby declare that:

My (Our) residence, post office address and citizenship(s) are as stated below next by (our) name(s):

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled CHROMOSOME-SPECIFIC STAINING TO DETECT GENETIC REARRANGEMENT

specification of which (check one)

is attached hereto was filed on _____ as Serial No. _____ was amended on _____ (if applicable).

I (We) hereby state that I (we) have reviewed and understand the contents of the above-mentioned specification, including claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a)

I (We) hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have so identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

Priority claimed

NONE

Number Country

Filed (Day/Month/Year)

Yes No

I (We) hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the aims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

NONE

Filing Date

Status

POWER OF ATTORNEY: As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Names and Registration Nos.	Names and Registration Nos.
Richard E. Constant 20,927	Roger S. Gaither 27,273
William R. Moser 24,763	L. E. Carnahan 20,555
Judson R. Hightower 26,603	Leona L. Lauder 30,863
Richard A. Lambert 25,692	
Robert J. Marchick 27,057	

Send Correspondence To:

Richard E. Constant
Assistant General Counsel for Patents
Mail Code GC-42 (FORSTL) MS-6F-067
1000 Independence Avenue S.W.
United States Department of Energy
Washington, D. C. 20585

Direct Telephone Calls To:
(Name and Telephone Numbers)
L.E. Carnahan
FTS 532-4367
COM (415) 422-4367

(We) hereby declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Joe W. Gray Full Name Of Inventor	Signature
Livermore, California Residence (City, State Or Foreign Country)	Date
1760 Lomitas, Livermore, CA 94550 Postal Address (Street, City, State, Zip Code)	USA Citizenship
Daniel Pinkel Full Name Of Inventor	Signature
Walnut Creek, California Residence (City, State Or Foreign Country)	Date
31 Manzanita Court, Walnut Creek, CA 94595 Postal Address (Street, City, State, Zip Code)	USA Citizenship
Douglas Tkachuk Full Name Of Inventor	Signature
Livermore, California Residence (City, State Or Foreign Country)	Date
1242 Larkspur, Livermore, CA 94550 Postal Address (Street, City, State, Zip Code)	Canadian Citizenship
Full Name Of Inventor	Signature
Residence (City, State Or Foreign Country)	Date
Postal Address (Street, City, State, Zip Code)	Citizenship
Full Name Of Inventor	Signature
Residence (City, State Or Foreign Country)	Date
Postal Address (Street, City, State, Zip Code)	Citizenship

COMBINED DECLARATION AND POWER OF ATTORNEY

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CHROMOSOME-SPECIFIC STAINING TO DETECT GENETIC REARRANGEMENTS

the specification of which (check one)

is attached hereto was filed on 06/11/90 as Serial No. 07/537,305
and was amended on _____ (if applicable).

I (We) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including claims, as amended by any amendment referred to above.

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PRIOR FOREIGN APPLICATION(S)

Priority
claimed

NONE

Number

Country

Filed (Day/Month/Year)

Yes No

I (We) hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

SEE ATTACHMENT TO COMBINED DECLARATION AND POWER OF ATTORNEY (ATTACHED)

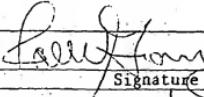
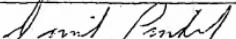
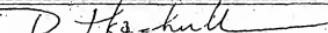
Serial No.	Filing Date	Status
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POWER OF ATTORNEY: As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Names and Registration Nos.	Names and Registration Nos.
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William R. Moser 24,763	L. E. Carnahan 20,555
Judson R. Hightower 26,603	Henry P. Sartorio 28,535
Richard A. Lambert 25,692	Leona L. Lauder 30,863
Robert J. Marchick 27,057	

Send Correspondence To:	Direct Telephone Calls To: (Name and Telephone Numbers)
Richard E. Constant Assistant General Counsel for Patents Mail Code GC-42 (FORSTL) MS-6F-067 1000 Independence Avenue S.W. United States Department of Energy Washington, D. C. 20585	L. E. Carnahan FTS 532-4367 COM (415) 422-4367

(We) hereby declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Joe W. Gray	
Full Name Of Inventor	Signature
Livermore, California	7-26 90
Residence (City, State Or Foreign Country)	Date
1760 Lomitas, Livermore, CA 94550	USA
Postal Address (Street, City, State, Zip Code)	Citizenship
<hr/> <hr/> <hr/>	
Daniel Pinkel	
Full Name Of Inventor	Signature
Walnut Creek, California	7-25-90
Residence (City, State Or Foreign Country)	Date
31 Manzanita Court, Walnut Creek, CA 94595	USA
Postal Address (Street, City, State, Zip Code)	Citizenship
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Douglas Tkachuk	
Full Name Of Inventor	Signature
Livermore, California	25 July 90
Residence (City, State Or Foreign Country)	Date
540 Shelley, Livermore, CA 94550	Canadian
Postal Address (Street, City, State, Zip Code)	Citizenship
<hr/> <hr/> <hr/>	
Full Name Of Inventor	Signature
Residence (City, State Or Foreign Country)	Date
Postal Address (Street, City, State, Zip Code)	Citizenship
<hr/> <hr/> <hr/>	
Full Name Of Inventor	Signature
Residence (City, State Or Foreign Country)	Date
Postal Address (Street, City, State, Zip Code)	Citizenship
<hr/> <hr/> <hr/>	

ATTACHMENT TOCOMBINED DECLARATION AND POWER OF ATTORNEY

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
497,098	03/20/90	Active
444,669	12/01/89	Active
937,793	12/04/86	Active
819,314	01/16/86	Abandoned
382,094	07/19/89	Active

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Joe W. GRAY et al) Group Art Unit: 1807
Serial No. 07/537,305) Examiner: A. Marschel
Filed: June 12, 1990)
For: CHROMOSOME-SPECIFIC)
STAINING TO DETECT)
GENETIC REARRANGEMENTS)

APPOINTMENT OF ASSOCIATE ATTORNEYS

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

The undersigned principal attorney of record hereby appoints
R. Danny Huntington, Reg. No. 27,903, Robert M. Schulman, Reg.
No. 31,196 and Donna M. Meuth, Reg. No. P-36,607 as associate
attorneys to represent the assignee of the above application in
all matters concerning the application and to transact all
business in the United States Patent and Trademark Office.

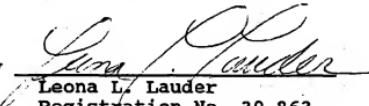
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Please direct all telephone calls to R. Danny Huntington at
(703) 836-6620.

Respectfully submitted,

By


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Date:

April 19, 1993